

DELL™ POWEREDGE™ R210 SERVER



Dell's value, entry 1-socket 1U server, the PowerEdge™ R210, offers advanced management capabilities, low wattage power supply and external storage connectivity options in a very small chassis.

The PowerEdge™ R210 features include the performance of Intel® Xeon® 3400 series processors, DDR3 memory, e-SATA external storage expandability, and enterprise-class manageability in an ultra-compact 15.5" deep chassis.

The PowerEdge™ R210 was developed with a purposeful design, energy optimized technology, simplified systems management and the flexibility you need. The PowerEdge™ R210 is a great first rack server for the small business or as a specialized application server or edge server for larger corporations.

RIGHT-SIZED, FLEXIBLE TECHNOLOGY AND BUSINESS VALUE

The PowerEdge™ R210 was designed to meet the needs of many IT environments. With the optional advanced systems management capabilities of Lifecycle Controller, Dell is bringing comprehensive enterprise class manageability into the 1-socket space. In addition, the R210 features a short 15.5 inch chassis to allow for flexible deployment almost anywhere. Built with cost effective RAID options to further protect your valuable data, new e-SATA external storage connectivity options and the latest Intel® Xeon® technology, the PowerEdge™ R210 is an ideal entry 1 socket 1U rack for small businesses and larger offices needing flexibility and manageability in a very small chassis.

Dell aims to add value to your business by including the features you need without a lot of the unnecessary extras. Our goal is to deliver value through tailored solutions based on industry standards, as well as purposeful, innovative design.

PURPOSEFUL DESIGN

The PowerEdge™ R210 follows the 11th Generation PowerEdge™ portfolio behavioral specifications and features the same system design commonality and reliability true to the entire portfolio. All 11th Generation servers are built to make the user experience easier. We put all external ports, power supplies and LED lights in the same location for familiar user experience, as well as, easy installation and deployment.

Robust, metal hard drive carriers and organized cabling are designed to help improve component access and airflow across the server. The PowerEdge™ R210's purposeful design also provides quiet acoustics and a LED light display positioned on the front of the server for ease of monitoring.

ENERGY OPTIMIZED TECHNOLOGY

Energy Smart design is a key part of the PowerEdge™ R210's purposeful design. Utilizing a low 250 watt power supply, the PowerEdge™ R210 provides the smallest power footprint within the 11th Generation PowerEdge™ server portfolio. Also included in the PowerEdge™ R210 are low flow fans, which only spin when needed, helping to reduce noise. In addition, the logical component layout of the internal components aids with air flow direction, helping to keep the server cool and quiet.

SIMPLIFIED SYSTEMS MANAGEMENT

The Lifecycle Controller is the engine for advanced embedded management and is delivered as part of the optional iDRAC Express or iDRAC Enterprise in the PowerEdge™ R210. The Lifecycle Controller is a chip that is integrated on the server. It helps to simplify administrator tasks by performing a comprehensive set of provisioning functions such as system deployment, system updates, hardware configuration and diagnostics from a single intuitive interface called Unified Server Configurator (USC) in a pre-OS environment. This helps eliminate the need to use and maintain multiple pieces of disparate CD/DVD media.

Also part of Dell's Open Manage™ portfolio is the Dell Management Console which is included with every Dell server and provides IT administrators with a consolidated console view of their IT infrastructure

FEATURES	PRODUCT
Form Factor	Rack
Processors	Quad-core Intel® Xeon® 3400 series processors
Processor Sockets	1
Front Side Bus or HyperTransport	DMI (Direct Media Interface)
Cache	8MB
Chipset	Intel® 3420 chipset
Memory	Up to 16GB (4 U-DIMMs): 1GB/2GB/4GB DDR3 1066MHz or 1333MHz
I/O Slots	1 PCIe x16 G2 slot
RAID Controllers	Internal Controllers: SAS 6/iR PERC S100 (software-based) PERC S300 (software-based) External Controllers: PERC 6/E with 256MB or 512MB of battery-backed cache SAS 5/E LSI2032 PCIe SCSI HBA
Drive Bays	Cabled options available: Up to two 2.5"/3.5" SAS, SATA or SSD drives
Maximum Internal Storage	2TB
Hard Drives¹	Hard Drive Options: 3.5 inch SATA (7.2K rpm): 160GB, 250GB, 500GB, 1TB 3.5 inch Near-line SAS (7.2 rpm): 1TB 3.5 inch SAS (10K rpm): 600GB 3.5 inch SAS (15K rpm): 146GB, 300GB, 450GB 2.5 inch SAS (10K rpm): 146GB, 300GB 2.5 inch SSD: 25GB, 50GB
Network Interface Cards	Broadcom® NetXtreme™ 5709 Dual Port Gigabit Ethernet NIC, Copper, w/TOE PCIe x4 Broadcom® NetXtreme™ 5709 Dual Port Gigabit Ethernet NIC, Copper, TOE/ISCI PCIe x4 Intel PRO/1000PT Single Port Adapter, Gigabit Ethernet NIC, PCIe x1 Intel Gigabit ET Dual Port Adapter, Gigabit Ethernet NIC, PCIe x4 Intel Gigabit ET Quad Port Adapter, Gigabit Ethernet NIC, PCIe x4
Power Supply	Single cabled power supply (250W)
Availability	Quad-pack LED diagnostics, ECC Memory, add-in RAID, TPM/C-TPM
Video	Matrox G200eW w/ 8MB memory
Remote Management	iDRAC6 optional
Systems Management	BMC, IPMI 2.0 compliant Dell OpenManage™ featuring Dell Management Console Unified Server Configurator Lifecycle Controller enabled via optional: iDRAC6 Express, iDRAC6 Enterprise and Vflash
Rack Support	Support for Static ReadyRails™ for 4-post and 2-post racks
Operating Systems	Microsoft Factory Installed OS Options: Microsoft® Windows® Small Business Server 2008, 64-bit Standard and Premium Edition Microsoft Windows Server® 2003 R2 with SP2 32-bit Standard and Enterprise Edition Microsoft Windows Server® 2003 R2 with SP2 64-bit, Standard and Enterprise Editions Microsoft Windows Server® 2008 32-bit, Web, Standard and Enterprise Edition Microsoft Windows Server® 2008 64-bit, Web, Standard and Enterprise Editions Microsoft Windows Server® 2008 SP2 32-bit, Web, Standard and Enterprise Edition Microsoft Windows Server® 2008 SP2 64-bit, Web, Standard and Enterprise Edition Microsoft Windows Server® 2008 R2 64-bit Web, Standard and Enterprise Edition Microsoft Windows Server® 2008 Foundation Microsoft Windows Server® 2008 Foundation R2 Microsoft Non-Factory Installed OS Options: Microsoft® Windows® Essential Business Server 2008 64-bit Standard and Premium Edition Factory Installed Linux OS Options: Novell® SUSE® Linux® Enterprise Server 11 Red Hat® Enterprise Linux® 5.3 Virtualization OS Options: Microsoft® Windows Server® 2008, with Hyper-V™

